



## **ZONEMAKER CENTER DIVIDE**

### **INSTALLATION INSTRUCTIONS**

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FM-7.5-37  
Rev D  
05/13/04

Congratulations on your purchase of the R•O•M ZoneMaker Center Divide System! This design will provide maximum efficiency and productivity for many years with proper care and maintenance. **Please read and follow these instructions carefully!**

You will need the following parts and tools:

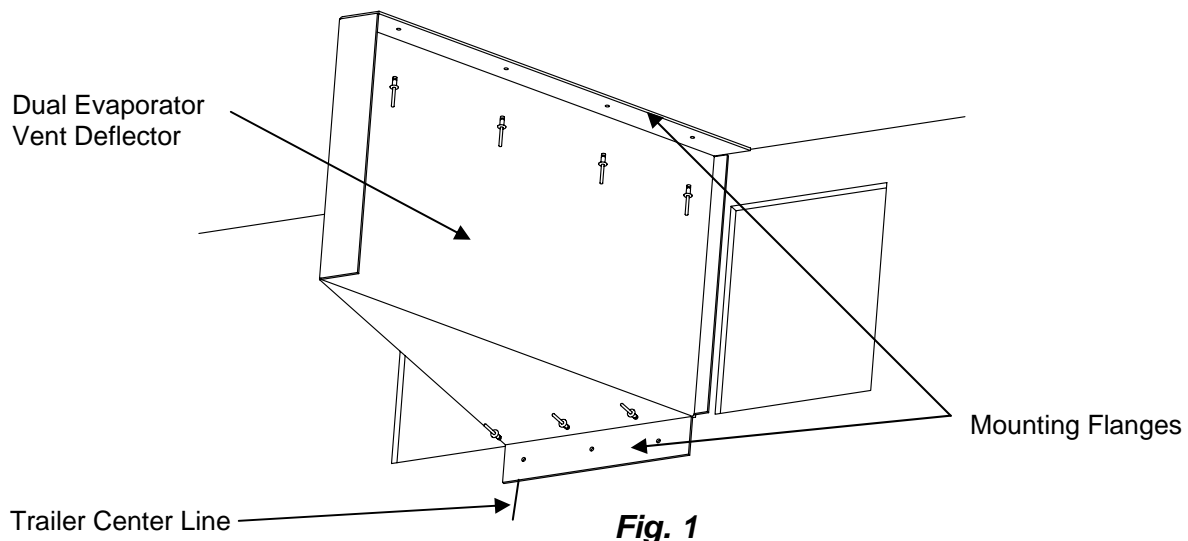
- Drill (not included)
- Drill bit (not included)
- Pneumatic monobolt rivet gun (not included)
- Monobolt rivets (not included)

#### **INSTALLING TRACK:**

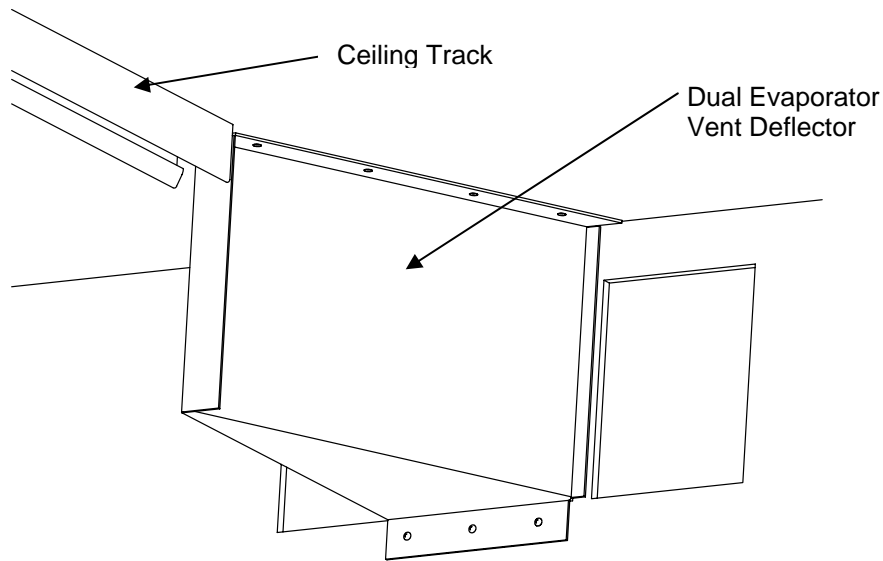
*Due to various trailer configurations, track installation may vary.*

The ceiling track is to be located directly above the floor channel; this is typically on centerline of the trailer's length. R•O•M recommends the use of a non-threaded fastener, such as a countersunk monobolt rivet. Several manufacturers such as Cherry or Huck provide this type of rivet.

Begin by identifying where the ceiling track needs to be mounted. ZoneMaker configurations incorporating a dual evaporator vent deflector option require special attention. The vent deflector is to be mounted permanently to the front wall and ceiling. A bead of silicone should be applied to the fastening flanges before attaching the vent deflector to the trailer.



**Fig. 1**

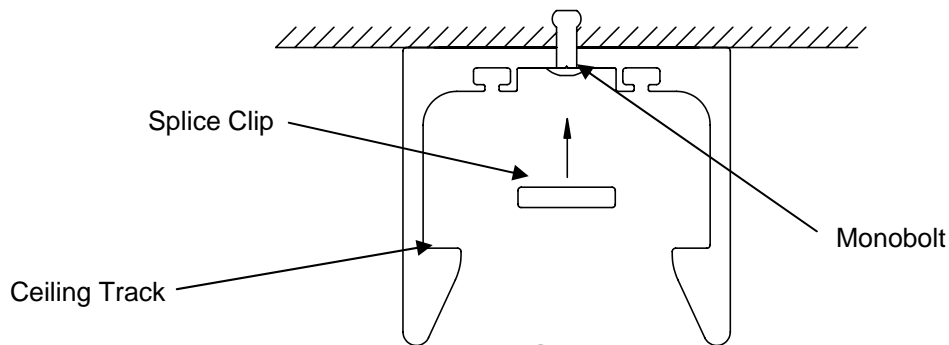


**Fig. 2**

After the vent deflector has been mounted ceiling track can be installed. The ceiling track must be positioned against the rear of the vent deflector as shown in Fig. 2. For ZoneMaker systems without vent deflectors position the track against the nose of the trailer.

First identify and mark where mounting fasteners will be installed at the trailer ceiling and track. Fasteners must be installed on 24" centers minimum making sure the monobolt rivets are attached to a ceiling beam or metal backing plate where they exist. Drill the monobolt manufacturer's recommend hole size at the pre-marked hole locations. A drill locator groove is located on the inside of the track. Install the track into the ceiling.

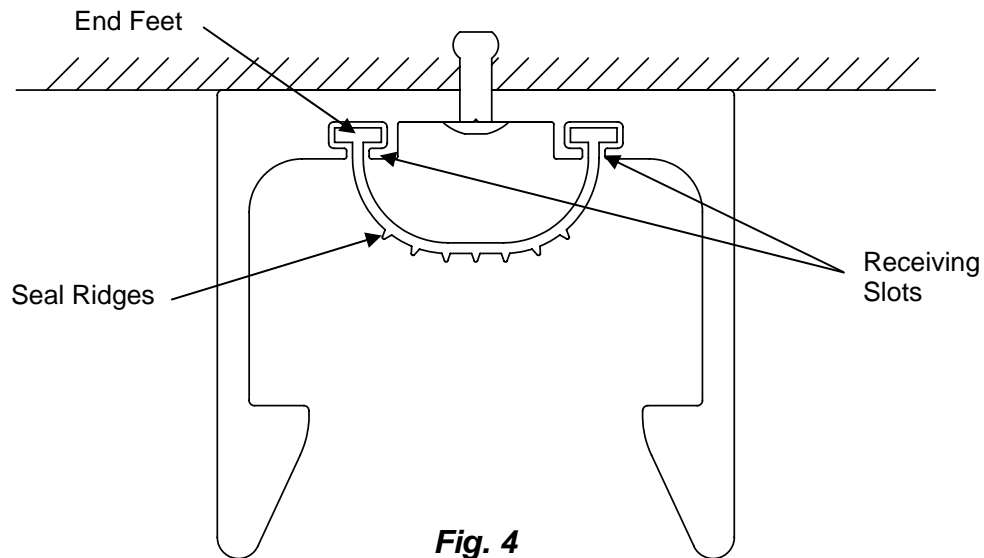
**Important:** Splice clips must be used for alignment when connecting multiple track sections together. Track joint misalignment will not allow the trolley stop assembly to operate properly.



**Fig. 3**

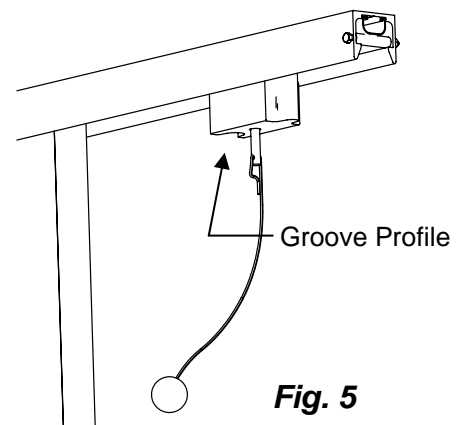
## **INSTALLING TOP SEAL:**

The top seal is designed to prevent airflow around the top of the ZoneMaker panels. In addition, the top seal prevents anything from becoming snagged on the track fasteners. Beginning at the end of the track that is most accessible, curl the top seal into a slight radius such that it will allow the end feet to line up with the receiving slots of the track. The top seal ridges should be facing downward as shown in Fig. 4. While guiding the end feet into the track, begin feeding the seal with your other hand. It is always easier to install the top seal with two people but not a necessity. Continue feeding the seal until it covers the full track length. Cut off any remaining seal material. Note: If you pulled the seal through the track opposed to feeding the seal into the track, you may need to allow time for the seal to relax from stretching before your cut off any excess.



## **INSTALLING TROLLEY/STOP ASSEMBLY:**

The trolley/stop assembly prevents bulkhead panels from slipping towards the rear of the trailer (door end) during takeoff. In addition this design allows panels to be swapped out and reversed. When installing, point the groove profile of the assembly towards the evaporator end of the trailer. This insures proper engagement with the bull-nose fronts of any panel see Fig. 3. Slide the dovetail portion of the trolley/stop assembly onto the end of the track. While pulling down on the cable handle, slide the assembly the remainder of the way onto the track. The trolley/stop assembly can be moved up and down the track by pulling down on the cable handle and angled approximately forty-five degrees towards the desired direction. The trolley should be in engaged with the end panel while in the trailer is in transit. The upward pressure of the knurled stop will provide the necessary friction to prevent movement.

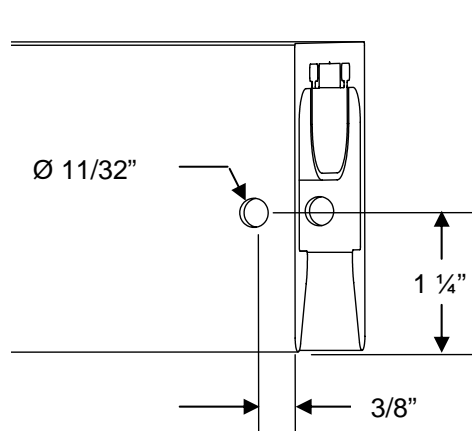


## **INSTALLING RUBBER STOPS:**

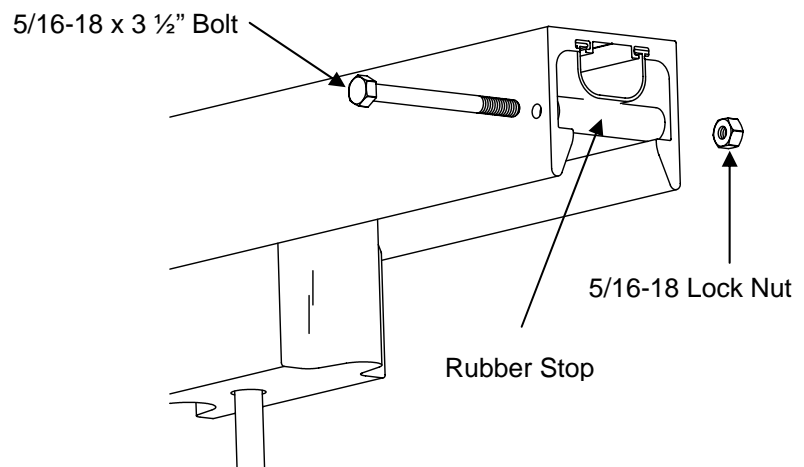
Rubber stops are required to prevent the trolley assembly from sliding off the ends of the track. Failure to install the rubber stops could result in injury.

To install the rubber stop, drill through both legs of the track using an 11/32" drill bit as shown in Fig. 6. The stops must be installed at any open ends of track. Insert the bolt through the track and rubber stop as shown in Fig. 7. Tighten the bolt and nut without applying pressure on the track legs.

**IMPORTANT:** If the legs of the track become bowed inward due to over tightening of the bolt, the trolley will not operate properly.



**Fig. 6**

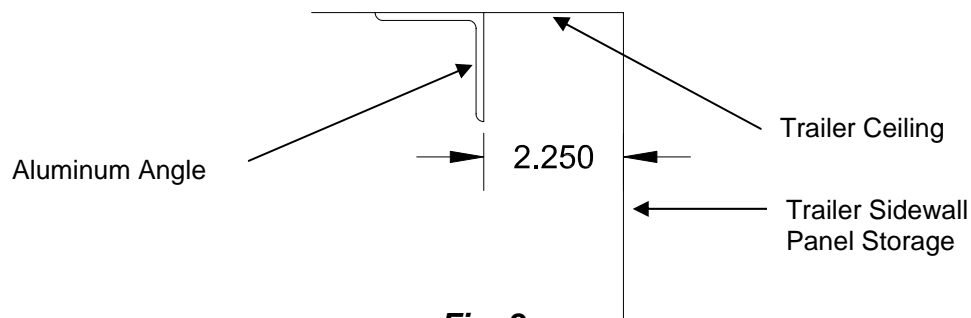


**Fig. 7**

## **INSTALLING SIDEWALL ANGLE:**

Panels may be stored along the sidewall of the trailer while not in service. For this purpose aluminum angle must be installed as shown in Fig. 8. Use the same fastener and attachment methods as were done in step "Installing Track".

**IMPORTANT:** If panels are removed from the center track, it's important to store them vertically against the side wall of the trailer. This will keep panels out of harms way when loading and unloading and protect them from bowing during extreme heat.



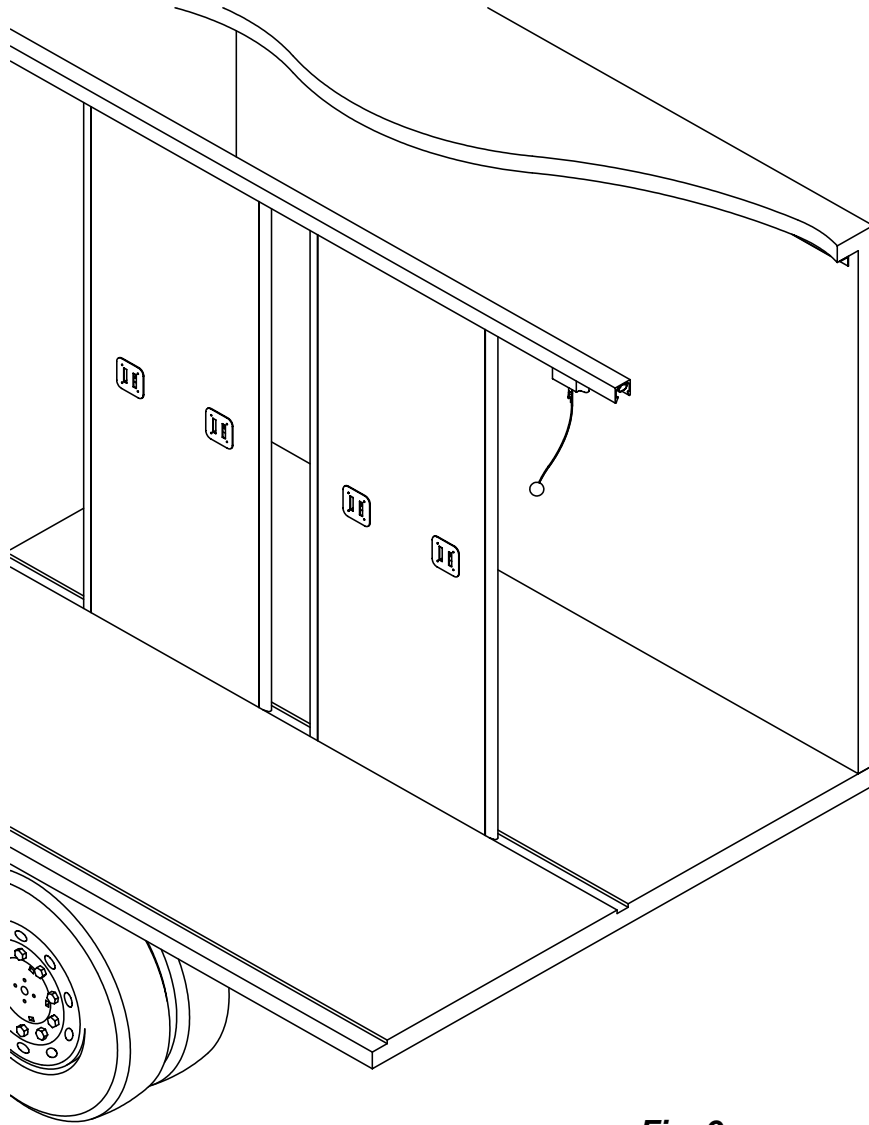
**Fig. 8**

## **ZONEMAKER BULKHEAD PANEL INSTALLATION:**

R•O•M ZoneMaker panels are design to be completely interchangeable and reversible from ceiling to floor. Multi-height systems for trailers with false ceilings limit this feature.

Begin by inserting the top of a panel into the track with the lower portion of the panel tilted away from you and the bull nose seal towards the rear door of the trailer. While applying continuous pressure to the top of the panel, pull the lower portion of the panel towards the channel in the floor until it engages. As panels are fully engaged with the track and flooring, slide the panels together until the tongue and groove seals interlock. It is important to have the panels fully engaged to insure a tight seal. After the final panel is installed, the trolley stop assembly should be employed to keep all joints tight.

This completes the installation of your R•O•M ZoneMaker Bulkhead System. If you have any questions, contact your R•O•M Representative at 1-800-827-3692.



**Fig. 9**

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